MEMORANDUM FOR:	Distribution Email
FROM:	Christine Caruso Magee Configuration Manager, NCEP Central Operations
SUBJECT:	Scheduled Operational Changes and Upgrades for CPC, OPC, and WPC
Climate Prediction Center	<u>er</u>
The following accelerated	items were implemented this past week:
None	
The following will be imple	emented the week of March 14, 2016:
RFC #604 – Update \$PATH to point back to the operational Compute Farm accounts. This variable had been pointing to a temporary environment until the operational Anaconda environment (which had been corrupted) was rebuilt. To be implemented on March 14 at 2100Z.	
The following RFCs are in	progress:
None	
The following NCO RFCs to be implemented the week of March 14, 2016 may affect CPC:	

RFC #1772 – Update the Data-Utils Anaconda package on /cpc/prod/anaconda.

This package repository is used by CPC developers. The update adds support for several new unit conversion types. To be implemented on March 14 at 1500Z.

RFC #1775 – Make a change to allow developers in NCWCP to access the Jet bastion in Princeton. To be implemented on March 15 at 1400Z.

The following NCO RFCs are in progress and may affect CPC:
RFC #1756 - NetCDF4-Python v4-1.2.1 - IBM will install the Python NetCDF4 software on Luna and Surge in /gpfs/hps/usrx/local/prod. This software reads and writes NetCDF files. Implementation began on March 7 at 1600Z and should be completed by March 16.
Ocean Prediction Center
The following accelerated items were implemented this past week:
RFC #599 – RZDM web pages v2016.03.09 - Update OPC's web monitor to account for recent web page changes that were not included in RFC #597 (which was implemented on March 9). Also fix minor bugs to probabilistic wind speed pages to display all available data. Implemented on March 9 at 0400Z.
The following will be implemented the week of March 14, 2016:
RFC #601cshrc.common v16.03.14 - Remove the section of OPC's common '.cshrc' file that specifies java v1.6.0_05. This version does not support vgf2xml and is no longer required by OPC operations. To be implemented on March 14 at 1200Z.
RFC #602 – create_xml.pl v16.03.14 – Update the experimental VGF creation script for operational evaluation. Determine the latest sea ice concentration cycle to prevent wave heights from not plotting when today's ice grid isn't available yet on night shifts. The wave gf's come up blank because the script it pointing to an ice grid that doesn't yet exist (and choosing where to plot the waves based on where there isn't ice). To be implemented on March 14 at 1230Z.
The following RFCs are in progress:
None

The following NCO RFCs to be implemented the week of March 14, 2016 may affect OPC:

RFC #1771 – Allow an OPC NOAA Corps windows box to access clients.exactearth.com in order to retrieve data from that site. To be implemented on March 14 at 1400Z.

RFC #1781 – Delay the distribution time of the combined NCEP/FNMOC wave ensemble by 2 hours to ensure inclusion of FNMOC data. After FNMOC upgraded their ensemble system, delivery of FNMOC products to NCEP has been delayed. This resulted in the NFCENS system running without FNMOC input. Delaying the distribution time will mitigate this problem. See the TIN at: http://www.nws.noaa.gov/os/notification/tin16-01delay_nfcens.htm . To be implemented on March 14 at 1200Z.

The following NCO RFCs are in progress and may affect OPC:
None

The following NCO RFCs, which may affect OPC, were approved with an implementation date TBD:

RFC #1357 – RTOFS global v1.1.0 – Major upgrade of the Global RTOFS model. See the TIN at: http://www.nws.noaa.gov/os/notification/tin15-36global-rtofsaaa.htm for details. This was advertised as having an October 6 implementation date but this implementation is being postponed due to a delay in the Navy's HYCOM model upgrade. Once the HYCOM upgrade is implemented, the Global RTOFS will be scheduled for implementation. The Navy hopes to upgrade HYCOM in FY16Q3. Notification will be given in advance so users may prepare for any changes which may affect them. This upgrade of the Global RTOFS was approved by the NCEP Director.

Weather Prediction Center

The following accelerated items were implemented this past week:

RFC #598 – Made a minor bug fix to the 'mkvg' script so that older versions of the Day 4-5 disaggregated 6-hour QPFs do not overwrite new versions issued by WPC's Medium Range Desk. Implemented on March 9 at 1600Z.

The following will be implemented the week of March 14, 2016:
RFC #600 - Modify the script "sendsfc" to use an operational feed of radar imagery from MRMS at /export/mrms_data_ops/ops/RALA for production of gif images on WPC's web pages. To be implemented on March 14 at 1200Z.
RFC #603 - datatype_20160314.tbl; mod_res_20160314.tbl - Add experimental HRRR Time Lagged Ensemble data into the WPC operational NMAP so forecasters can view. To be implemented on March 14 at 1500Z.
The following RFCs are in progress:
RFC #592 – Upgrade the WPC forecast verification system (fvs) to v2016.02. Executable files, scripts, and text files for fvs will be updated on the server to give users access to new features. This has no direct effect on any operational script or product. Implementation began on March 3 at 1200Z and should be completed by 1800Z on March 17.
RFC#594 - The scripts that create the day 4-7 Winter Outlook guidance will be upgraded to use downscaled WPC QPF. This change entails inserting downscaled QPF, and adjusting the ensemble mean QPF. The goal of this change is to improve Day 4-7 probabilistic snowfall forecasts over the higher terrain of the western U.S. Implementation began on March 7 1600Z and should be completed by 2200Z on March 16.
The following NCO RFCs to be implemented the week of March 14, 2016 may affect WPC:
None
The following NCO RFCs are in progress and may affect WPC: None
Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

The CPC/OPC/WPC Configuration Management documents are available at https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.